

Claims

1. - 39. (Canceled)

40. (Currently Amended) A method of identifying an agent that decreases pathogenicity of a retrovirus~~pathogen~~, the method comprising:
contacting a test agent with a Rab11A~~target gene~~ product; and
determining whether the test agent decreases Rab11A enzymatic activity, wherein a decrease in Rab11A enzymatic activity, indicates the agent decreases pathogenicity of the pathogen-retrovirus.

41. (Currently Amended) The method of claim 40, wherein the retrovirus ~~pathogen~~ is a retrovirus ~~pathogen~~ that hijacks a lipid raft.

42. -47. (Canceled)

48. (Currently Amended) The method of claim ~~45~~40, wherein the ~~virus-retrovirus~~ comprises human immunodeficiency virus type 1 (HIV-1), human immunodeficiency virus type-2 (HIV-2); equine infectious anemia virus; feline immunodeficiency virus (FIV); feline leukemia viruses (FeLV); simian immunodeficiency virus; or avian sarcoma virus~~an enveloped RNA virus~~.

Claims 49. - 59. (Canceled)

60. (New) The method of claim 48, wherein the retrovirus is HIV-1 or HIV-2.

61. (New) The method of claim 40, wherein the Rab11A gene product in a cell and the cell is contacted with the test agent.